

*If you are using a printed copy of this procedure, and not the on-screen version, then you **MUST** make sure the dates at the bottom of the printed copy and the on-screen version match.
The on-screen version of the Collider-Accelerator Department Procedure is the Official Version.
Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ Training Office, Bldg. 911A.*

C-A OPERATIONS PROCEDURES MANUAL

12.32 PSX-120 Multi-Target Source - Target Change

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Hand Processed Changes

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Approved: _____ ***Signature on File*** _____
Collider-Accelerator Department Chairman Date

M. Wiplich

12.32 PSX-120 Multi-Target Source - Target Change

1. Purpose

The purpose of this procedure is to define the sequence of activities required to change the target in the PSX-120 Multi-Target Source.

2. Responsibilities

It is the responsibility of the person or persons executing this procedure to observe all safety rules

3. Prerequisites

3.1 Tandem Operator training the person or persons executing this procedure shall have all formal training required of a TVDG Operator.

4. Precautions

None

5. Procedure

5.1 Turn down the boiler and the tube heater.

5.2 Turn down the ionizer.

5.3 Turn the Cs Accel control to zero.

5.4 Close the LE gate valve.

5.5 Close the NII cryo valve.

5.6 Verify that the Diffusion Pump Valve is open. This valve shall remain open during the use of the PSX-120 Multi-Target Source.

5.7 Verify that 60 PSI air pressure exists at the regulator for the source (located on the Preaccel Deck).

5.8 **To Change A Target** (If only selecting a target, proceed to 5.9)

5.8.1 Unscrew the target holder from the threaded rod.

5.8.2 Move the holder back to notch 2.

5.8.3 Deactivate the air switch to release the target.

5.8.4 Pull the holder back to notch 1.

5.8.5 Select another target remembering to release target wheel tab before moving the wheel.

5.9 To Select A Target

5.9.1 Push the target holder in to notch 2.

5.9.2 Activate the air switch.

5.9.3 Push the target holder into the threaded rod and screw it in to the stop.

5.9.4 When the vacuum is stable, open cryo valve to NII.

6. Documentation

None

7. References

None

8. Attachments

None